ABSTRACT OF THE DISCLOSURE

A framework and method for quality of service (QoS) aware resource discovery in mobile ad hoc networks are presented. Self-organized discovery agents manage the directory information that describes the network resources available for use by clients. In one embodiment, hash indexing of available resources is utilized. The discovery agents also partition the network into domains and collect intra- and inter-domain QoS information. This information is used to allow clients to select appropriate resource providers. This framework and method has low discovery latency and cost in terms of the number of packets for each resource discovery query.